

AMENDMENTS TO THE CLAIMS

The below listing of claims replaces all prior versions, and all prior listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An electric device of an electric vehicle with a timer, comprising:

a rechargeable secondary battery to provide power to the electric vehicle;

a measuring means for measuring a state of said secondary battery and a memory for storing measured information thereof and information regarding properties of said secondary battery;

a load of an electric motor driven by electric power supplied by said secondary battery;

a controller for controlling drive of said load;

a timer having a timer function;

a display and operation unit having a time setting function for setting a specified time based on which charging is started and having a time displaying function;

a battery manager for managing said secondary battery based on information of said measuring means and/or said memory and time information from said timer; and

an interface to connect a charger via a system bus for charging said secondary battery based on information of said measuring means and/or said memory and the specified time,

wherein said battery manager determines a charge completion time or a remaining time for charging based on the information of said measuring means and/or said memory and the specified time, and the display and operation unit displays the charge completion time or the remaining time for charging.

2. (Previously Presented) The electric device according to claim 1, wherein said controller also has a function of said battery manager.

3. (Currently Amended) An electric device ~~of an electric vehicle with a timer,~~
comprising according to claim 1, wherein said charger is included in the electric device

~~a rechargeable secondary battery;~~

~~a measuring means for measuring a state of said secondary battery and a memory for storing measured information thereof and information regarding properties of said secondary battery;~~

~~a load of an electric motor driven by electric power supplied by said secondary battery;~~

~~a controller for controlling drive of said load;~~

~~a timer having a timer function;~~

~~a display and operation unit having a time setting function for setting a specified time based on which charging is started and having a time displaying function;~~

~~a charger for charging said secondary battery based on information of said measuring means and/or said memory and the specified time; and~~

~~an interface for connecting the charger with said measuring means and/or said memory,
and said timer and said controller via a system bus.~~

4. (Previously Presented) The electric device according to claim 3, wherein
said controller also has a function of a battery manager for managing said secondary
battery based on information of said measuring means and/or said memory and time information
from said timer.

5. – 6. (Cancelled)

7. (Previously Presented) The electric device according to claim 1, wherein
said secondary battery, said measuring means and said memory are constituted to be an
integrated battery unit, and the battery unit is mounted on an electric device main body to be
attachable/detachable thereto/therefrom.

8. (Previously Presented) The electric device according to claim 3, wherein
said secondary battery, said measuring means and said memory are constituted to be an
integrated battery unit, and the battery unit is mounted on an electric device main body to be
attachable/detachable thereto/therefrom.

9. – 13. (Cancelled)

14. (Previously Presented) The electric device according to claim 4, wherein
said display and operation unit comprises a time specifying means for specifying a charge completion time, and said charger comprises means for starting charge so that the charge for said secondary battery is completed at a time specified by the time specifying means.

15. – 16. (Cancelled)

17. (Previously Presented) The electric device according to claim 1, further comprising:
means actuated at a time specified by said timer, operating said measuring means and said memory, and managing a residual capacity of said secondary battery based on a self discharge amount and a consumption capacity according to properties of said secondary battery.

18. (Previously Presented) The electric device according to claim 3, further comprising:
means actuated at a time specified by said timer, operating said measuring means and said memory, and managing a residual capacity of said secondary battery based on a self discharge amount and a consumption capacity according to properties of said secondary battery.

19. (Previously Presented) The electric device according to claim 3, further comprising:
means actuated at a time specified by said timer, operating said measuring means and memory, managing a residual capacity of said secondary battery based on a self discharge

amount and a consumption capacity according to properties of said secondary battery, and making said charger charge said secondary battery when it needs to be charged.

20. (Previously Presented) The electric device according to claim 4, further comprising:
means actuated at a time specified by said timer, operating said measuring means and memory, managing a residual capacity of said secondary battery based on a self discharge amount and a consumption capacity according to properties of said secondary battery, and making said charger charge said secondary battery when it needs to be charged.